

PATENT ABSTRACTS OF JAPAN

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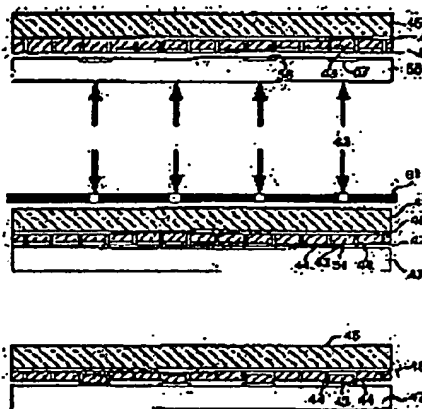
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(54) FORMATION OF DISPLAY TRANSISTOR ARRAY PANEL

(57)Abstract:

PROBLEM TO BE SOLVED: To sharply reduce a manufacturing cost.

SOLUTION: Plural TFT elements 43 are formed on a 1st substrate consisting of a Si substrate at pitches dx/m , dy/n with respective element separation grooves 44 intervened. The dx and dy are array pitches of pixels and each of m and n is a natural number of ≥ 2 . A 2nd substrate 45 is stuck to the 1st substrate with UV peeling resin 46, and after removing the 1st substrate by etching, respective TFT elements 43 are separated. Only TFT elements 43 to be transferred are selectively stuck with adhesive resin 51, and selectively irradiated with ultraviolet rays 62 from the side of the 2nd substrate 45 to selectively be transferred to a 3rd substrate 47. Thus, the same selected TFT element 43 can be transferred to $(m \times n)$ pieces of panel substrates 47 while forming $(m \times n)$ times as many as a necessary number of TFT elements 43 on one piece of 2nd substrate 45, so that cost required for forming TFT elements 43 on the 1st substrate can be reduced approximately to become $1/(m \times n)$.



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